

Total Maximum Daily Load (TMDL) Implementation



Greenvale and Beach Creeks
Lancaster County

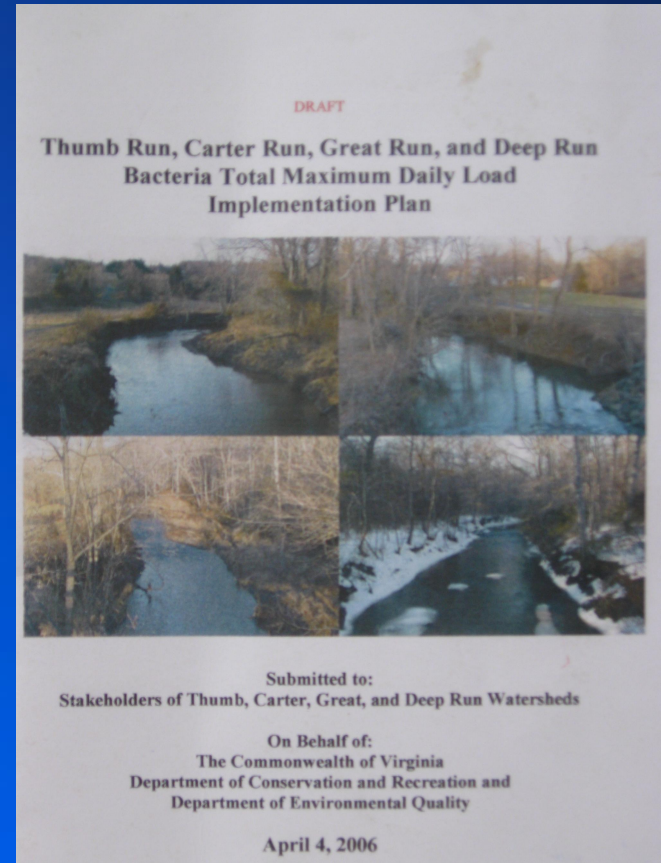
May Louise Sligh

VA Dept. of Conservation and Recreation
April 8, 2009



The TMDL Process: 3 Steps

- 1) TMDL study
- 2) TMDL implementation plan
- 3) Implement plan



What is a TMDL Implementation Plan?

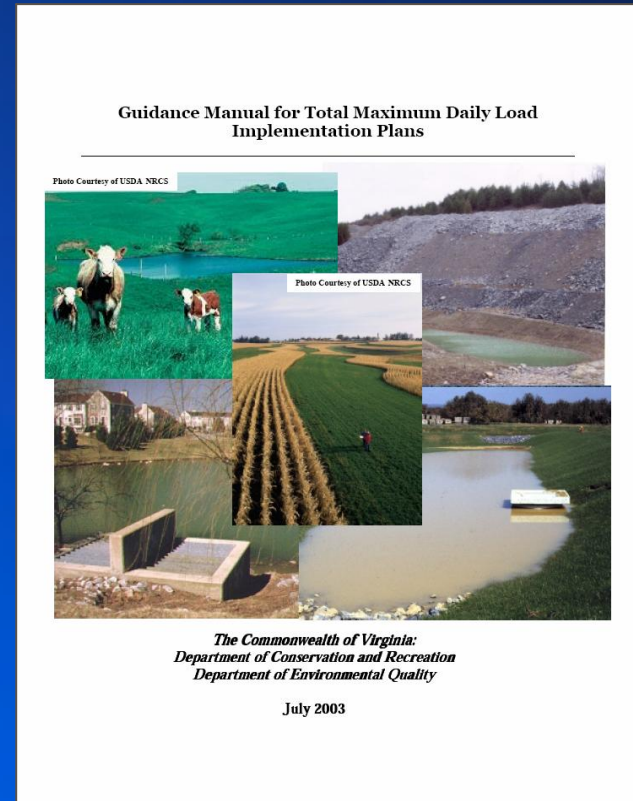
- TMDL study tells us what we need to do, TMDL implementation plan tells us **how**
- Outlines **actions** that can be taken to meet TMDL allocations
- Serves as a **guide** for implementation efforts



Photo courtesy of Mark Alling, DEQ

Why Implementation Plans?

- Implementation Plan development is required by state legislation
- Supported by federal, state and local organizations
- Procedures outlined in DCR & DEQ Implementation Plan Guidance Document



Integration with other Watershed Plans

- Need to account for and **acknowledge** other planning activities within the watershed
- Coordinate with other water quality plans:
 - Watershed plans/roundtables
 - Local Comprehensive Plans
 - Green Infrastructure Planning
 - Water Supply Plans



What goes into an implementation plan?

- Existing plans or improvement projects
- Actions to improve water quality: BMPs, etc
- Project timeline
 - Implementation goals
 - Implementation milestones
- Roles and responsibilities of stakeholders
- Potential funding opportunities

Implementation Plan Development

- Implementation Plan will be done **locally**
- Stakeholders will have the opportunity to participate in the plan development
 - Public meetings
 - Working groups
 - Steering committee



Roles Citizens Can Play During Implementation Plan Development

- Provide additional detail on watershed
- Review/suggest implementation strategies
- Identify potential implementation impediments
- Identify local funding sources/partnerships
- Lead implementation projects

Steering Committee

- Responsibility: Guide the IP development process
 - Assess input from working groups
 - Are representative stakeholders engaged?
 - Address community concerns/suggestions as funneled through the WG's
 - How can process be improved?
- Membership
 - DCR, DEQ, NRCS, VDH, local governments, SWCD, Working group representatives
- Meet once during IP development process

Working Groups

- Responsibilities:
 - provide “representative, interest based” input
 - Review technical/data analysis from Resource Team
- Interests that may coalesce to form a Working Group
 - Agriculture
 - Residential/Urban
 - Recreation
 - Government
 - Watermen
 - Marinas
 - Others?
- Level of Activity
 - Meet at least 2 times during IP development process

Working Group Participation

- **Agriculture** – producers, SWCD staff, service industries, land owners, etc.
- **Urban/Residential** – residents, businesses, neighborhood/HOAs, service industries, civic groups, government, etc.
- **Business/Industry** – specific industries/classes of industries, business advocacy organizations, chamber of commerce, government, watermen, etc.
- **Government** – various state agencies, local commissions/planning boards, etc.

Working Group Responsibilities and Tasks

- Inform Resource Team about perceived pollutant sources
- Enlighten Resource Team about on-going/needed pollution control activities
- Review possible implementation strategies from a interest-based perspective
- Discuss alternative funding sources/partnerships
- Identify outreach methods for engaging peers in implementing pollution control measures
- Identify constraints to implementing pollution control measures

We Are Here to Listen and Learn from YOU !

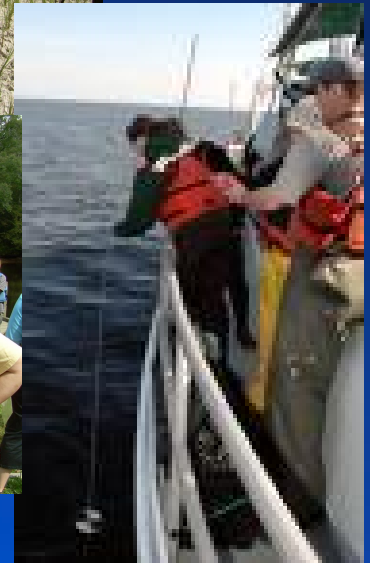
- Hands-on interaction with maps (where are problems we know of?)
- Identify appropriate BMPs for impairments (watershed specific)
- Conduct Needs Assessment: identification of practices, quantification of practices (GIS, BMP databases, modeling), technical assistance /outreach

Proposed Schedule for Greenvale/Beach Cr. IP Development

Task	April 2009	May 2009	June 2009	July 2009	August 2009	Sept. 2009
First Public Meeting	April 8					
Working Group #1 meetings		X				
Working Group #2 meetings				X		
Steering Committee meeting (draft review)						X
Final Public Meeting (draft for public comment)						X

One last point to remember

TMDL's and IP's are a mechanism for restoring water quality and are an **opportunity** for diverse groups of people to come together to improve watershed health



Contact Information



Scene along Greenville Creek

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